

What is claimed is:

1. A marking film comprising

(a) a receptor film having a front surface as a colorant-receptive surface, and a

5 back surface opposing to said front surface,

(b) a colorant received on said front surface of the receptor film, and

(c) an adhesive layer fixedly provided on said back surface of the receptor film and comprising an adhesive which serves to adhere said receptor film to an adherent, wherein said adhesive layer has projections containing said adhesive, which are formed on an adhesion surface to be adhered to said adherent, and depressions surrounding said projections, and said depressions define conduits, which communicate with the atmosphere, between the surface of said adherent and the adhesion surface of said adhesive layer when said adhesive layer is being adhered to said adherent, characterized in that said receptor film comprises a receptor layer formed of a thermoplastic resin film having a surface which serves as said colorant-receptive surface, and said thermoplastic resin film comprises a resinous component containing at least one petroleum-resistant resin selected from the group consisting of polyurethane comprising polyol units derived from polycarbonate polyol, polyurethane comprising polyol units derived from polycaprolactone polyol and phenoxy resins.

20 2. The marking film according to claim 1, wherein said thermoplastic resin film comprises the polyurethane and the phenoxy resin.

25 3. The marking film according to claim 1, wherein said receptor film consists essentially of said receptor layer.

4. A receptor sheet for use in the production of a marking film according to claim 1 with electrostatic toner printing, comprising said receptor film and said adhesive layer fixedly provided on the back surface of said receptor film which has a receptor layer comprising a thermoplastic resin film having a surface acting as said colorant-receptive

surface to which a toner is transferred, wherein said thermoplastic resin film comprises a resinous component containing at least one petroleum-resistant resin selected from polyurethane comprising polyol units derived from polycarbonate polyol, polyurethane comprising polyol units derived from polycaprolactone polyol and phenoxy resins, and said receptor layer has a glass transition temperature of 0 to 100°C.

5. A marking film comprising

(a) a receptor film having a front surface as a colorant-receptive surface, and a back surface opposing to said front surface,

10 (b) a colorant received on said front surface of the receptor film, and

(c) an adhesive layer fixedly provided on said back surface of the receptor film and comprising an adhesive which serves to adhere said receptor film to an adherent, wherein said adhesive layer has projections containing said adhesive, which are formed on an adhesion surface to be adhered to said adherent, and depressions surrounding said projections, and said depressions define conduits, which communicate with the atmosphere, between the surface of said adherent and the adhesion surface of said adhesive layer when said adhesive layer is being adhered to said adherent, characterized in that said receptor film is a petroleum-resistant resin film containing a copolymer comprising a least one alkyl acrylate having 1 to 8 carbon atoms in the alkyl group and methyl methacrylate.

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6. A receptor sheet for use in the production of a marking film according to claim

5 with electrostatic toner printing, comprising said receptor film and said adhesive layer fixedly provided on the back surface of said receptor film, wherein said receptor film is a petroleum-resistant resin film containing a copolymer comprising a least one alkyl acrylate having 1 to 8 carbon atoms in the alkyl group and methyl methacrylate, and said film has a glass transition temperature of 0 to 100°C.

7. The marking film according to claim 1 or 5, which further comprises a light-transmitting protective film covering said front surface of the receptor film which receives said colorant, wherein said protective film comprises a fluororesin.

5 8. A marking film for a vehicle comprising the marking film according to claim 1 or 5, which is adhered to a body surface of a vehicle that moves using a petroleum fuel as an energy source.